



Degree of Master of Science (By Research)

List of Potential Research Topics Intake October 2020

Applicants for the M.Sc. (by Research) course offered by the Faculty of Health Sciences are advised to choose a research topic from the following list and to contact the respective Department offering the research topic at the earliest opportunity.

Applied Biomedical Science

- Genetics of Osteoporosis and Musculoskeletal Disorders - Dr Melissa Formosa
- Genetics and Intermediate Phenotypes related to Myocardial Infarction - Dr Stephanie Bezzina Wettinger
- High throughput Sequencing - Genetics of Heritable Diseases - Dr Rosienne Farrugia
- Molecular Control of Red Cell Biology - Prof. Joseph Borg
- Next Generation Sequencing - Dr Stephanie Bezzina Wettinger/Prof. Joseph Borg
- Transcription Factors in Erythropoiesis - Prof. Joseph Borg

Clinical Biomechanics

- Cadeveric Foot - Dr Alfred Gatt
- Gait Analysis - Dr Alfred Gatt
- Motion Capture - Dr Alfred Gatt
- Material Testing - Dr Alfred Gatt

Communication Therapy

- Bilingual Receptive and Expressive Lexical Skills in Maltese 5-Year-Olds - Dr Daniela Gatt
- Lexical and Narrative Skills in Maltese 6-Year-Olds - Dr Daniela Gatt
- The Adaptation of the TORPAM to Younger Maltese Children - Dr Rachael Agius
- The Effects of Auditory Training on Children with Deficits in Auditory Processing, Language and Literacy - Dr Nadine Tabone
- The Performance of Children with Reported Listening Difficulties on Behavioural and Objective Tests of Auditory Processing - Dr Nadine Tabone
- Validation of the eMESA on Diverse Clinical Populations - Prof. Helen Grech

Food Sciences and Nutrition

- Applications of Natural Antimicrobials in Food Science - Prof. Vasilis Valdramidis
- Aspects of Public Health Nutrition including Inequalities - Dr Claire Copperstone
- Bioprocesses and (Novel) Preservation Technologies in Food Science and Environmental Health - Prof. Vasilis Valdramidis
- Dietary Patterns and Health Outcomes - Dr Petra Jones
- Dietary Patterns throughout the Lifecycle - Dr Petra Jones
- Food Fraud and Safety Issues Past and Present - Prof. Anna McElhatton
- Food Mycology - Prof. Vasilis Valdramidis
- Lifestyle Factors, Obesity and Health, including Obesity Reporting and Dietary Advice - Dr Claire Copperstone
- Predictive Modelling/Microbiology - Prof. Vasilis Valdramidis

Health Services Management

- An Evaluation of the Employment Relationship in a Hospital Setting - Indexing Multiple Measures - Prof. Sandra C. Buttigieg/Prof. Vincent Cassar
- Building an Operating Theatre Capacity Model in Maltese Tertiary Level Hospital - Prof. Sandra C. Buttigieg/Prof. Frank Bezzina
- Choice - What Determines Individual Preferences for Consulting Public Versus Private Providers? - Dr Natasha Azzopardi Muscat
- Cross Border Transfer and Implementation of Innovation in Health Services and Policies - A Small State Perspective - Dr Natasha Azzopardi Muscat
- The Sensitivity of Self-Report Measures of Stress on Physiological and Cognitive Outcomes in Healthcare Professionals - Prof. Sandra C. Buttigieg/Prof. Vincent Cassar

Nursing

- Advanced Nursing Practice - Dr Corinne Scicluna
- Anthropological and Social Perspectives in Nursing - Dr Catherine Sharples
- Community Health Care - Dr Norma Josephine Buttigieg
- Critical Care Nursing - Dr Josef Trapani
- Dementia Care - Dr Anthony Scerri
- Diabetes Care - Dr Roberta Sammut
- Diabetic Foot - Dr Corinne Scicluna
- Drug Administration - Dr Corinne Scicluna
- Facilitating Assessment and Learning in Virtual Learning Environments - Dr Michelle Camilleri
- History of Nursing - Dr Catherine Sharples
- Informal Learning in Practice - Dr Michelle Camilleri
- Interprofessional Collaboration - Dr Anne C. Cini
- Management of Care - Dr Corinne Scicluna/Dr Catherine Sharples

- Nursing Care of Older Persons in Formal Care Settings - Dr Anthony Scerri
- Nursing Rituals and Change - Dr Catherine Sharples
- Online Teaching and Learning - Dr Josef Trapani
- Paediatric Nursing Research - Dr Anne C. Cini
- Pre-Hospital Emergency Care - Dr Trevor Abela Fiorentino
- Politics in Nursing - Dr Corinne Scicluna/Dr Catherine Sharples
- Professional Development - Dr Michelle Camilleri
- Professionalisation, Autonomy and Accountability in Nursing - Dr Catherine Sharples
- Public Health - Dr Norma Josephine Buttigieg
- Self-Management of Chronic Illness - Dr Norma Josephine Buttigieg
- Sexual and Reproductive Health - Dr Roderick Bugeja
Sexuality and Sexual Health
Sexuality and Relationships Education
Genito-Urinary Medicine, including HIV/AIDS
Fertility and Reproductive Health, including:-
 - *Periconception Care*
 - *Assisted Reproductive Technology (ART)*
 - *NaPro technology (Natural Procreative Technology)*
 - *In-Vitro Fertilisation (IVF) (Lived Experience / Quality of Life)*
- Skin and Wounds - Dr Corinne Scicluna
- Specialist Nursing - Dr Corinne Scicluna

Physiotherapy

- Muscle Stimulation in Respiratory Physiotherapy - Dr Anabel Sciriha
- Physiotherapy in Health and Wellness - Dr Tonio Agius
- Physiotherapy in Post-Thoracotomy Pain - Dr Stephen Lungaro-Mifsud

Podiatry

- Diabetes Foot Screening - Prof. Cynthia Formosa
- Diabetic Foot Biomechanics - Dr Alfred Gatt
- Diabetic Footwear - Dr Stephen Mizzi
- In Shoe Micro-Climate - Dr Stephen Mizzi
- Podiatric Biomechanics - Dr Alfred Gatt
- Podiatric Dermatology - Dr Stephen Mizzi
- Podogeriatrics - Prof. Cynthia Formosa
- Podopaediatrics - Prof. Cynthia Formosa
- The Diabetic Foot - Prof. Cynthia Formosa
- Thermography - Dr Alfred Gatt/Dr Stephen Mizzi

Radiography

- Assessment of Maltese Patients' Perceptions of the Educational Requirements of Therapy Radiographers - Dr Paul Bezzina
- Dose/Risk Optimisation - Dr Francis Zarb
- Image Quality - Dr Francis Zarb
- Patient Care in Radiography - Dr Paul Bezzina/Dr Jonathan L. Portelli/Ms Karen Borg Grima
- Pediatric Radiography - Dr Jonathan L. Portelli
- Radiation Safety - Dr Paul Bezzina/Dr Jonathan L. Portelli